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No. 21]

NEW DELHI, SATURDAY, MAY 24, 1986 (JYAISTA 3, 1908)

इस भाग में जिन पृष्ठ संख्या दी जाती है जिससे कि अह अलग संकलन के रूप में रखा जा सके।

{Separate paging is given to this Part in order that it may be filed as a separate compilation}

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंट्स और डिजाइन्स से सम्बन्धित अधिसूचनाएं और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

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PATENTS AND DESIGNS
Calcutta, the 24th May 1986

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**APPLICATION FOR PATENTS FILED AT THE HEAD
OFFICE 214, ACHARYA JAGADISH BOSE ROAD,
CALCUTT-700 017**

The dates shown in crescent brackets are the dates claimed under Section 135, of the Act.

15th April, 1986

292/Cal/86. N. V. Philips' Gloeilampenfabrieken. Cathode ray tube and method of manufacturing a cathode ray tube.

293/Cal/86. Mitsui Toatsu Chemicals, Incorporated. Preparation process of acrylamide crystals.

16th April, 1986

294/Cal/86. Santanu Roy. A multipurpose novel apparatus for effective mixing and dispensing of polymeric material.

295/Cal/86. NL Industries, Inc. Conducting enclosure for magnetometers.

296/Cal/86. NL Industries, Inc. Formation density logging using two detectors and sources.

17th April, 1986

297/Cal/86. Westinghouse Electric Corporation. Improvements in or relating to circuit breaker with arc chamber vent.

298/Cal/86. Revlon, Inc. Silyl-containing nail enamel.

299/Cal/86. Vetco Offshore, Inc. Underwater Connector.

300/Cal/86. Bernard Joseph Walls. Punch Retainer.

301/Cal/86. Agracetus and Grace ASC Corporation. Bacterial agricultural inoculants.

302/Cal/86. Biotechnology Australia Pty. Ltd.; Monash University; Prince Henry's Hospital and St. Vincent's Institute of Medical Research. Recombinant Inhibin. (Convention dated 18-4-1985, 06.09.85, 29.09.85, 19-12-85, 20-12-85) All are Australia.

18th April, 1986

303/Cal/86. Punya Brata Chaudhuri. Method of pre-treatment of agricultural residues.

304/Cal/86. Punya Brata Chaudhuri. Method of manufacture of chemi—Thermo—Explosion pulp.

305/Cal/86. Byung Eun Yoo. Air Ventilator.

306/Cal/86. Sansho Seiyaku Co. Ltd. Whitening Cosmetic.

307/Cal/86. Centronics Data Computer Corp. Print band timing detector.

308/Cal/86. Nissan Chemical Industries, Ltd. Pyridaznone derivatives, preparation thereof, and insecticidal, Acarcidal, Nematicidal, Fungicidal compositions.

**APPLICATIONS FOR PATENTS FILED AT THE PATENT
OFFICE BRANCH, MUNICIPAL MARKET BUILDING,
III RD FLOOR, KAROL BAGH, NEW DELHI-110 005**

7th April, 1986

312/Del/86. Mukesh Rawat, "Wound covering".

8th April, 1986

313/Del/86. Jagdish Prakash Mathur, "Improvements in or relating to an electrical device for automatic application of brakes in railway trains in case of fire or emergency".

314/Del/86. Prabhat Kumar, "Improved cooking vessel systems".

315/Del/86. Prabhat Kumar, "Improvement in or relating to pressure cookers".

316/Del/86. The B.F. Goodrich Co., "Stabilized vinyl halide resin and compositions and articles made therefrom".

9th April, 1986

317/Del/86. Rajendra Kumar Misurya. "Misurya's Splint".

318/Del/86. Associated Electrical Industries Limited, "Switch-gear". (Convention date 22nd April, 1985) (U.K.).

319/Del/86. Associated Electrical Industries Limited, "Switch-gear operating mechanism". (Convention date 22nd April, 1985) (U.K.).

320/Del/86. The General Electric Company P.L.C., "Relays". (Convention date 12th April, 1985) (U.K.).

321/Del/86. Associated Electrical Industries Ltd., "Switch-gear". (Convention date 22nd April, 1985) (U.K.).

322/Del/86. Oil & Natural Gas Commission, "A device for determining a cable break of twisted multipair cables".

323/Del/86. Oil & Natural Gas Commission, "Hex dump and quality control equipment".

10th April, 1986

324/Del/86. The President, Forest Research Institute & Colleges, "A process for recovery of chemicals from soda black liquor".

325/Del/86. Yvonne Galgut, "Teeth for use with earth moving equipment".

326/Del/86. Fuller Co., "Pneumatic conveying device and flap valve".

327/Del/86. Dowty Boulton Paul Ltd., "Fluid pressure operable actuator systems". (Convention date 30th April, 85) (U.K.).

11th April, 1986

328/Del/86. Burlington Industries, Inc., "Method and apparatus for securing uniformity and solidity in liquid jet electrostatic applicators using random droplet formation processes".

329/Del/86. Nordson Corporation, "Improved particle spray gun".

330/Del/86. UOP Inc., "Vertical tube reactor with serial downward flow through a plurality of sets of particulate containing tubes".

**APPLICATIONS FOR PATENTS FILED AT THE PATENT
OFFICE BRANCH, 61, WALLAJAH ROAD,
MADRAS-600 002**

7th April, 1986

251/Mas/86. T. Vedadri. An integrated water treatment package plant with self induced back wash.

252/Mas/86. C. S. Javid. An improved method for manufacture of plastics hollow bottles or like items without seams.

253/Mas/86. The Dow Chemical Company. Annular nozzle and presses for its use.

254/Mas/86. The Dow Chemical Company. Molten Material Outlet.

255/Mas/86. The Dow Chemical Company. Process and apparatus for use with pressurized reactors.

8th April, 1986

- 256/Mas/86. Snamprogetti S.p.A. Stabilizer for aqueous solutions.
- 257/Mas/86. Buck Chemisch-Technische Werke GMBH & Co. Infrared radiation emitting decoy projectile.

- 258/Mas/86. Raychem Corporation. Protective article.

9th April, 1986

- 259/Mas/86. H. S. Mukunda & Udupi Srinivasa and Indian Institute of Sciences. A wood stove.
- 260/Mas/86. Robert Bosch GMBH. Control system for mobile conveyor units on conveyor lines.

- 261/Mas/86. Maschinenfabrik Rieter AG. Method for piecing a yarn in a friction spinning device.

- 262/Mas/86. Owens-Illinois, Inc. Improved process for extruding high molecular weight, high density linear ethylene polymers to form heavy tubular members.

- 263/Mas/86. Henkel Kommanditgesellschaft auf Aktien. The use of a hand stamp with a reversible stamp body for applying adhesives and a correspondingly designed hand stamp.

- 264/Mas/86. Zymogenetics, Inc. Expression of Factor VII and IX Activities in Mammalian Cells.

10th April, 1986

- 265/Mas/86. Bechtel International Corporation. Apparatus and method for converting pipeline fine coal slurry to coal water mixture suitable for direct combustion in boilers.

- 266/Mas/86. Kemira OY. A process for the forth-flotation of a phosphate mineral, and a reagent intended for use in the process.

- 267/Mas/86. Lucas Industries Public Limited Company. A method of manufacturing a corrosion resistant non-alloy steel component. (Divisional to Patent Application No. 1211/Cal/82; October 15, 1981). Great Britain.

11th April, 1986

- 268/Mas/86. GEA Energiesystemtechnik GmbH & Co. A lock for trapping spherical cleaning members.

- 269/Mas/86. Stauffer Chemical Company. Improved nail polish applicator.

- 270/Mas/86. Caterpillar Tractor Co. Exhaust manifold shield.

- 271/Mas/86. Caterpillar Tractor Co. An improved track joint and method of assembling same. (May 28, 1985; Canada).

- 272/Mas/86. Caterpillar Tractor Co. Coupling Apparatus. (September 17, 1985; Canada).

- 273/Mas/86. Caterpillar Tractor Co. Flexible seal for a spherical joint. (September 18, 1985; Canada).

- 274/Mas/86. Robert McQueen. Crawling pest eliminator system and method.

ALTERATION OF DATE

157722. Ante dated to 24th January, 1983.
(849/Cal/85).

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CLASS : 70-C4. 157700

Int. Cl. C 23 b 5/08, 5/10.

COMPOSITION AND PROCESS FOR THE ELECTRO-DEPOSITION OF ZINC-NICKEL ALLOY DEPOSITS.

Applicant : FBARA-UDYLITE COMPANY LIMITED OF 18-8, HIGASHI UENO 2-CHOME, TAITO-KU, TOKYO, JAPAN.

Inventors : 1. MASAAKI KAMITANT, 2. HIDENORI TSUJI.

Application No. 970/Cal/82 filed August 20, 1982.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

9 Claims

An aqueous composition for the electrodeposition of zinc-nickel alloys which comprises from 10 to 90 g/l of zinc, from 15 to 60 g/l of nickel, from 20 to 120 g/l of ammonium ions, said zinc, nickel and ammonium ions being present in the form of chlorides, and a nonionic polyoxyalkylated surfactant as a primary brightener in a given amount, which bath has a weight ratio of nickel/zinc of at least 0.5 and a pH of from 4.7 to 8.0 and may contain secondary and auxiliary brighteners, singly as well as in combination in given amounts.

Compl. Specn. 21 pages.

Drg. 1 sheet.

CLASS : 150-E. 157701

Int. Cl. B 21 d 53/10.

A SLEEVE SECTION FOR A WELL WALL.

Applicant : DRILLCON INDUSTRIES LIMITED, OF BRITTANIC CHAMBERS, THORPE ROAD, NORWICH, NORFOLK, ENGLAND.

Inventor : 1. JOHN HERBERT NORTH.

Application No. 987/Cal/82 filed August 25, 1982.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

18 Claims

A sleeve section for forming a sleeve for lining a well wall comprising a central tubular member characterised by having a coupling component friction forged to each end thereof.

Compl. Specn. 14 pages.

Drg. 2 sheets.

CLASS : 116-B.

157702

Int. Cl. : B 65 g 25/00.

APPARATUS FOR THE HANDLING OF PRODUCTS OR ARTICLES FOR EXAMPLE SWEETS AND CIGARETTES BY OPERATIVE MEANS CARRIED IN CONTINUOUS MOVEMENT.

Applicant : RISVIN—RICERCHE SVILUPPO INDUSTRIALE—S. r. l., OF VIA DI VIGORSO, 3, 40054 BUDRIO (BOLOGNA) ITALY.

Inventor : 1. ING. ALDERINO ZAMBONI.

Application No. 1175/Cal/82 filed October 12, 1982.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

17 Claims

Apparatus for handling products or articles for example sweets or cigarettes for the treatment of same by means, for example, of the carrying out upon them of specific operations of working, processing, machining, assembling, packing and the like through operative means, characterised in that said operative means has a support structure capable of being associated in movable manner with one or more conveying elements provided with continuous movement and actuating means for moving said operative means relative to the respective conveying element in order to cause said operative means to perform a continuous movement along a path of mixed form comprising rectilinear, spiral, circular and arcuate portions of whatever type, following one another and intercalated and at different velocities depending upon the type of operation to be carried out on the product.

Compl. Specn. 25 pages.

Drg. 4 sheets.

CLASS : 50-B.

157703

Int. Cl. : B 67 d 5/62.

HEAT EXCHANGER FOR THE PROGRESSIVE COOLING OF A HOT GAS STREAM IN A CASING.

Applicant : ANSTALT MURA, OF GAGOZ 863, BALZERS; PRINCIPALITY OF LIECHTENSTEIN.

Inventor : 1. WALTER MULLER.

Application No. 144/Cal/83 filed February 8, 1983.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

7 Claims

A heat exchanger for use in a process of the type such as herein described for the progressive cooling of a hot gas stream in a casing, which is cooled by a cooling medium guided in the casing wall, said heat exchanger being positioned on the outer wall of the casing, characterised in that the heat conducting inner jacket is arranged in spaced manner from the heat exchanger between the inner area of the casing and said heat exchanger.

Compl. Specn. 10 pages.

Drg. 1 sheet.

CLASS : 33-D.

157704

Int. Cl. : B 22 d 39/00, 41/02.

METALLURGICAL LADIES.

Applicant : STEEL CASTINGS RESEARCH AND TRADE ASSOCIATION, OF 5, EAST BANK ROAD, SHEFFIELD, ENGLAND.

Inventor : 1. MICHAEL CORNELIUS ASHTON.

Application No. 310/Cal/83 filed March 14, 1983.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

12 Claims

A foundry ladle comprising an outer metal shell, a refractory safety lining positioned inside the shell and a discardable inner lining positioned to protect the safety lining from molten metal in the ladle, the inner lining being in the form of one or more preformed articles of refractory material having a low specific heat and a low thermal conductivity relative to the specific heat and the thermal conductivity of the safety lining, and a permeability of at least 20 AFS units.

Compl. Specn. 16 pages.

Drg. 1 sheet.

CLASS : 129-G, H & P.

157705

Int. Cl. B 25 d 17/02; E 21 c 13/00.

BIT HOLDER AS WELL AS PROCESS FOR PRODUCING SAME.

Applicant : VOEST—ALPINE AKTIENGESELLSCHAFT, OF A 1011 VIENNA, CRIEDRICHSTRASSE 4, AUSTRIA.

Inventors : 1. JOHANNES BLUMAUER, 2. HUBERT AUGUSTIN.

Application No. 922/Cal/83 filed July 22, 1983.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

8 Claims

Bit holder of steel, in particular of high-temperature and rust-resisting steel, having a bore for receiving a bit shaft and being connected with the base member of a cutting head of a cutting machine by welding, characterized in that the bit holder (1) to be connected with the base member (5) of the cutting head comprises, at least at the area of its foot part (3) located remote from the receiving bore (2) for the bit shaft, a mantle (4) of well weldable steel and being built-up by welding.

Compl. Specn. 10 pages.

Drg. 1 sheet.

Class : 129J & A.

157706

Int. Class : B21b, 13/12, 13/14, B21d, 11/06, 11/08.

IMPROVEMENTS IN ROLLING MILL APPARATUS.

Applicant : MORGAN CONSTRUCTION COMPANY, of 15 Belmont Street, Worcester, Massachusetts 01605, United States of America, a corporation organised under the laws of the Commonwealth of Massachusetts, United States of America.

Inventor : MARTIN GILVAR & PHILIP WYKES.

Application for Patent No. 56/DEL/1982 filed on 25th January, 1982.

Appropriate office for opposition proceedings (Rule 4, Patent Rules 1972) Patent Office Branch, New Delhi-110 005.

6 Claims

A rolling mill apparatus of the type wherein hot rolled rod is directed substantially horizontally from the last mill stand downwardly along a curved path to a vertical laying

head which forms the rod into a series of rings, said apparatus being characterised by :

a pair of driven pinch rolls located in advance of said path; mounting means for supporting the pinch rolls in a manner which allows adjustments to be made to the parting therebetween; means connected to the mounting means for exerting an initial closing force on said pinch rolls to establish an initial parting prior to entry of a rod front end therebetween, said initial parting being sized to produce some rod deformation while providing a driving relationship between said pinch rolls and said rod said initial closing force being greater than the forces accompanying impact of said rod front end with said pinch rolls and tending to widen said initial parting; and means connected to said mounting means for exerting a lower secondary closing force in place of said initial closing force, said secondary closing force being such as to permit the rod to push said pinch rolls apart to a secondary parting which prevents further rod deformation while continuing to maintain said driving relationship.

Compl. Specn. 13 pages.

Draw. 3 sheets.

CLASS : 32E.

157707

Int. Cl. : C08f—1/06, 3/00, 3/04 & 3/06.

VAPOUR PHASE BLOCK COPOLYMERIZATION PROCESS.

Applicant : EL PASO POLYOLEFINS COMPANY of W. 115 Century Road, Paramus, New Jersey 07652, U.S.A., a U.S. company.

Inventor : Edward August Zukowski.

Application for Patent No. 59/DEL/1982 filed on 27th January, 1982.

Appropriate office for opposition proceedings (Rule 4, Patent Rules 1972) Patent Office Branch, New Delhi-110 005.

15 Claims

A continuous sequential vapor phase block copolymerization process for the production of impact resistant ethylene-propylene polymers at high productivity rates, which comprises :

(A) preparing a propylene prepolymer in finely divided form and containing active catalyst residues by polymerizing propylene at a pressure sufficient to maintain propylene in liquid phase and at a temperature ranging between 145°F and 160°F in the presence of a catalyst composition containing the components :

- (a) a first at least partial complex of an alkyl aluminum compound with an electron donor compound wherein the alkyl aluminum is selected from aluminum trialkyl or a mixture of aluminum trialkyl and dialkyl aluminum halide and wherein the mole ratio of alkyl aluminum to electron donor is maintained between 2 and 5, and,
- (b) a complex of an electron donor compound with a titanium tri- or tetrahalide supported on magnesium dihalide, where the components (a) and (b) are being provided in a molar ratio of Al/Ti between 40 : 1 and 150 : 1, and,

separating the propylene prepolymer from volatile constituents :

(B) introducing the propylene, ethylene and propylene into at least one continuously agitated vapour phase reaction zone; and polymerizing the ethylene and propylene onto the prepolymer, the improvement characterized by :

CLASS : 143 D4.

157708

Int. Cl. : B 65b 1/00.

MACHINE FOR MANUFACTURING, FILLING AND SEALING PACKAGES.

Applicant : TETRA PAK INTERNATIONAL AB, Swedish company of Box 1701, S-221 01 Lund, Sweden.

Inventor : Horsk Ott.

Application for Patent No. 69/DEL/1982 filed on 29th January, 1982.

Appropriate office for opposition proceedings (Rule 4, Patent Rules 1972) Patent Office Branch, New Delhi-110 005.

4 Claims

Machine for manufacturing filling and sealing packages formed and welded from a flexible web of material with an expanding-mandrel turntable and with at least one filling turntable with a filling station and a welding station for a head seam, characterised in that a forming station for a base flap is located on the expanding-mandrel turntable, that the welding station for the head seam has welding dies that extend over the entire length of the head seam, and that following the turntable there is a head-forming turntable that possesses a forming station for the head seam and a sealing station for the head flap, said forming station for the base flap comprising two laterally movable stamp plates to the lower end of each of which a flap-forming swivel plate is hinged, and a vertically movable control element comprising two control surfaces each of which moves one of said stamp plates laterally, said vertically movable control element having two controlling cams each of which engages with said flap-forming swivel plate that it rotates, said welding station for the head seam comprising a welding head that is movable vertically by means of a hydraulic cylinder, one of the dies of the welding head being a stationary heatable welding die and the other die being a pivotal, heatable welding die articulated, to said stationary welding die, and a hydraulic cylinder, for operating the pivotal welding die.

Compl. Specn. 12 Pages.

Draws. 4 Sheets.

CLASS : 172 D4.

157709

Int. Cl. : D 01h 1/08 & 7/66.

AN IMPROVED SPINNING POT FOR TWISTING AND WINDING SYNTHETIC TEXTILE YARNS.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, Rafi Marg, New Delhi-110 001, India, an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860).

Inventor : RAJAN VENKATA RAMANI.

Application for Patent No. 79/DEL/1982 filed on 30th January, 1982.

Appropriate office for opposition proceedings (Rule 4, Patent Rules 1972) Patent Office Branch, New Delhi-110 005.

5 Claims

An improved spinning pot for twisting and winding synthetic textile yarns comprising a barrel, mounted on the shaft of a motor, having a closed bottom, and provided with a number of vents for passing acid and air, and having a lid at its top which is provided with a central hole through which the funnel for admission of the yarns passes characterised in that the barrel is made of two parts, the upper part being removably mounted onto the lower part and fixed thereto by means of a spigot, a base plate slidingly supporting the edge of the lower part of the barrel and projecting into the barrel concentrically with the barrel, locking means projecting from the base plate into a corresponding recess defined by an inner wall of the barrel during rotation of the barrel to allow the barrel to expand uniformly without lifting off from the base plate and a

bushing having a first member integral with the base place and a second member fixed to a rotatable shaft of the said motor, said second member engaging said first member for rotation of said barrel upon activation of said motor.

Compl. Specn. 17 Pages.

Drgs. 3 Sheets.

CLASS : 32 F 1 & 2(1).

Int. Cl. : C 07C 121/00.

A METHOD FOR THE PREPARATION OF CYANO-BENZYL ISOPROPYL PHENYL ACETATE.

Applicant : SHELL INTERNATIONALS RESEARCH MAATSCHAPPIJ B. V. of Carel Van Bylandlaan 30, The Hague. A The Netherlands company.

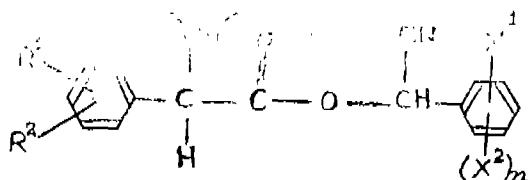
Inventor : WALTER LEONARD PETTY.

Application for Patent No. 103/DEL/82 filed on 9th February, 1982.

Appropriate office for opposition proceedings (Rule 4, Patent Rules 1972) Patent Office Branch, New Delhi-110 005.

9 Claims

A method for the preparation of a cyanobenzyl isopropyl phenyl acetate of the Formula I.



wherein R¹ is a hydrogen atom, a halogen atom or an alkyl group containing from 1 to 4 carbon atoms or a methoxy or ethoxy group, each optionally substituted by one or more halogen atoms; R² is a hydrogen atom or a methyl group; X² is phenoxy, benzyl or phenylthio; X³ is a halogen atom, or is methyl and n is 0.1 or 2; said enantiomer pair comprising a S-alpha-cyanobenzyl R-alpha-isopropyl phenyl acetate and the corresponding R-alpha-cyanobenzyl S-alpha-isopropyl-phenyl acetate, (hereinafter referred to as enantiomer pair X) an which is rich in the enantiomer pair S-alpha-cyanobenzyl S-alpha-isopropyl-phenyl acetate and the corresponding R-alpha-cyanobenzyl R-alpha-isopropyl phenyl acetate (herein after referred to as enantiomer pair Y), which comprises precipitating in any known manner, crystals enriched in enantiomer pair X in the presence of crystals of enantiomer pair X from a solution of the corresponding racemic R, S-alpha-cyanobenzyl R, S-alpha-isopropylphenylacetate, separating in any known manner these X-enriched crystals from the mother liquor, redissolving the crystals thus separated in a solvent of the kind such as herein described and treating the resulting solution with a base such as herein described to epimerize the dissolved enantiomer pair X to the Corresponding racemic mixture, recycling the racemic mixture back to the precipitation step and recovering in any known manner; mother liquor enriched in enantiomer pair Y.

Compl. Specn. 18 pages.

Drg. 1 sheet.

CLASS : 85 J.

157711

Int. Cl. : G 05d 23/22.

APPARATUS FOR TRANSFERRING SIGNALS INDICATIVE OF THE CONDITION WITHIN A ROTARY KILN TO A LOCATION OFF KILN.

Applicant : DAVY MCKEE (STOCKTON) LIMITED, of Stockton-on-Tees, England TS18 3RE, United Kingdom incorporated company.

Inventors : BRIAN F. BRACANIN, RONALD J. CLEMENTS & RICHARD HAMILTON DAVIS.

Application for Patent No. 106/DEL/1982 filed on 10th Feb., 1982.

Appropriate office for opposition proceedings (Rule 4, Patent Rules 1972) Patent Office Branch, New Delhi-110 005.

12 Claims

Apparatus for transferring signals indicative of the conditions within a rotary kiln to a location off the kiln, comprising : a plurality of sensing means adapted to sense internal kiln conditions and to produce millivolt signals indicative thereof; a plurality of first access means disposed in the kiln wall at spaced locations along its length, each for permitting one of the sensing means access to the interior of the kiln and each normally having one of the sensing means disposed therein; a plurality of second access means, respectively disposed in the kiln wall at locations adjacent to the first access means, each for permitting one of the sensing means access to the kiln interior and normally having no sensing means disposed therein; electrical plug means disposed on, and connected to each sensing means for conducting the millivolt signals; receivable means disposed adjacent each of the first access means for accepting the plug means; converter means connectable with the receivable means for converting the millivolt signals to milliamp signals; two electrically continuous slip rings disposed on and encircling the kiln and connected across the output of the converter means; and stationary contact means adjacent the kiln for picking off the milliamp signals from the slip rings and transferring them to said location off the kiln.

Compl. Specn. 20 pages.

Drgs. 2 sheets.

CLASS : 32F1.

157712

Int. Cl. : C07d 99/00.

"PROCESS FOR THE PREPARATION OF PENCILLANIC ACID ESTERS".

Applicant : PFIZER INC., A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 235 EAST 42ND STREET, NEW YORK, STATE OF NEW YORK, UNITED STATES OF AMERICA.

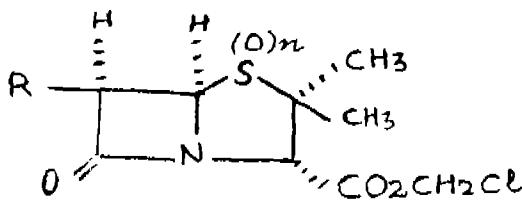
Inventor : VYTAUTAS JOHN JASYS.

Application for Patent No. 127/DEL/1982 filed on 16th February, 1982.

Appropriate office for opposite proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

8 Claims

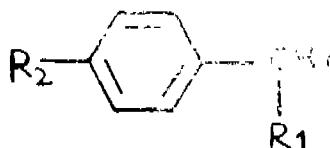
A process for the preparation of penicillanic acid chloromethyl ester having the general formula I



Formula 2

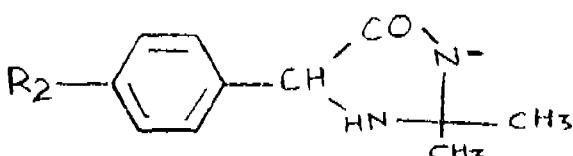
wherein n is 0 or 2, R is

- (a) hydrogen,
- (b) a radical of formula II or



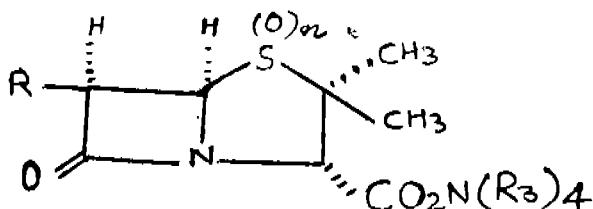
Formula II

- (c) a radical of formula III



Formula III

wherein R₂ is hydrogen or hydroxy and R₁ is azido, amino, carbobenzyloxyamino or 1-methoxycarbonylpropen-2-ylamino, which comprises reacting one mole of a compound of the general formula IV



Formula IV

wherein R₃ is alkyl having from one to four carbon atoms, with at least one mole of bromochloromethane or iodochloromethane at a temperature from -20°C to 25°C with the proviso that when n is 2, R is hydrogen.

Compl. Specn. 34 pages.

Drg. 1 sheet.

CLASS : 32F₁(b), 55E₄.

157713

Int. Cl. : C 07d-57/46 & 27/56.

"A PROCESS FOR THE SYNTHESIS OF 2-OXO-4-SUBSTITUTED-PYRIMIDO-(2', 1' : 6, 1)-PYRIDO-(3, 4-b)-INDOLES."

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFT MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

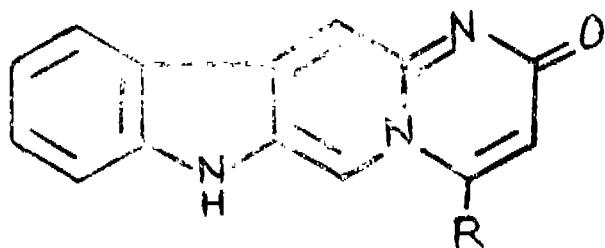
Inventors : ANIL KUMAR AGARWAL, BRAJESH MALAVIYA, ANIL KUMAR SAXENA, HARISH CHANDRA & NITYA ANAND.

Application for Patent No. 138/DEL/1982 filed on 19th February, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

4 Claims

A process for the synthesis of 2-Oxo-4-substituted-pyrimido-(2', 1' : 6, 1)-pyrido-(3, 4-b)-indoles of formula (I)



Formula I

comprising reacting 3-amino-9H-pyrido-(3, 4-b)-indole of Formula (II)



Formula II

with R-C=C-COOR₁, in the presence of an organic protic solvent, wherein R is H, an alkyl, aryl or alkoxy-carbonyl radical such as -CH₃, -C₂H₅ or -COOCH₃ and R₁ is an alkyl radical such as methyl or ethyl.

Compl. Specn. 6 pages.

Drg. 1 sheet.

CLASS : 80 I & J.

157714

Int. Cl. : E03b-3/18, E21b-43/08, B01d-39/14, B32b-17/02 & B65h-54/00.

"A WELL SCREEN OF FILAMENT REINFORCED PLASTICS MATERIAL AND A METHOD FOR FORMING THE SAME".

Applicant : UOP INC., A CORPORATION ORGANIZED IN THE STATE OF DELAWARE, WITH ITS PRINCIPAL PLACE OF BUSINESS AT TEN UOP PLAZA, ALGONQUIN AND MT. PROSPECT ROADS, DES PLAINES, ILLINOIS, UNITED STATES OF AMERICA.

Inventor : WALTER RAYMOND WAGNER & HENRY EDWIN BENSON.

Application for Patent No. 143/DEL/1982 filed on 22nd February, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

17 Claims

A well screen of filament-reinforced plastics material and having an elongate helically slotted screen portion and integral non-slotted end portions, said reinforcing filaments each of which is coated with a hardenable plastics material, being arranged in both longitudinal and circumferential directions throughout the entire length of said well screen, one of said non-slotted end portions having an internal thread formed therein by at least one layer of helically wound circumferential filaments which is/are positioned radially inwardly of a subsequently applied layer of longitudinally extending filaments, which subsequently applied layer forms the radially innermost layer in a region between said non-slotted end portions.

Compl. Specn. 15 pages.

Drg. 1 sheet.

CLASS : 271 & 179F.

157715

Int. Cl. F 16f 7/00, 15/00; E 04b 1/98; E 01d 21/02 & E 02d 31/08.

"A COMBINATION OF TWO STRUCTURES WITH A SUPPORTING DEVICE SUPPORTING SAID STRUCTURES RELATING TO EACH OTHER".

Applicant : JUN TOYAMA, A JAPANESE CITIZEN, OF 4-11, MEJIRO 2-CHOME, TOSHIMA-KU, TOKYO-TO, JAPAN.

Inventor : JUN TOYAMA.

Application for Patent No. 151/Del/1982 filed on 24th February, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

9 Claims

A combination of two structures with a supporting device supporting said structures relative to each other comprising : a first member (A); a second member (B) a concave surface (3) confronting the first member, one of said members being secured to one of the structures; a ball (2) placed rotatably by the first member so as to in rolling contact with the concave surface (3) of the second member; and an elastic slide mechanism interposed between the other of said members and the other structure so as to be secured to the other member and other structure and having means to impact an elastic force to the other member urging the same against the ball and toward the one member, the two members and the ball being urged by said elastic force and by the contact of the ball against the concave surface to be normally in a self-centered state of mutually coaxial alignment along a first axis (Z) and to return to that state upon being mutually displaced therefrom in any direction perpendicular to the first axis, the slide mechanism permitting said other member and ball to undergo spring (13)-resisted displacement along the first axis relative to said other structure, whereby the two structures can undergo spring-resisted three-dimensional displacements relative to each other while propagation of oscillations and vibrations from one structure to other is absorbed and suppressed.

Compl. Specn. 14 pages.

Drgs. 5 sheets.

CLASS : 39-N.

157716

Int. Cl. C 01 d 11/00; C01 g 37/14.

A PROCESS FOR THE MANUFACTURE OF SODIUM DICHROMATE FROM CHROMITE ORE OR CHROMIUM CONTAINING SLAG.

Applicant : PROJECTS AND DEVELOPMENTS INDIA LIMITED, C.I.F.T. BUILDINGS, P.O. SINDRI, DIST. DHANBAD, BIHAR STATE, INDIA.

Inventors : 1. DR. PRADEEP KUMAR BANERJEE,
2. SHRI AMAR NATH DATTA,
3. SHRI HIMANGSHU BHUSAN
ACHARYA,
4. DR. PRADIP KUMAR GHOSH.

Application No. 702/Cal/82 filed June 17, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A process for the manufacture of sodium dichromate from chromite ore or chromium containing slag which comprises preparing a blend of (i) chromite ore or chromium containing slag (ii) sodium sulphate and (iii) limestone in proportions of utmost 1 : 1 : 0.8 parts by weight dry roasting the

blend at temperature around 1000°C in a current of air, followed by subjecting the roasted material to a step of leaching in water, separating the liquid and solid portions, the solid portion containing unconverted ore, which is reused in the process, the liquid portion containing sodium chromate being then reacted with sulphuric acid thereby to produce sodium dichromate as product and sodium sulphate as by-product, the product and by-product being separately recovered in a known manner.

Compl. Specn. 11 pages.

Drg. Nil.

CLASS : 71-G.

157717

Int. Cl. : E02 f 3/08, 3/50.

CONTAINER FOR GROUND MATERIAL REMOVED BY A GROUND WORKING DEVICE FROM THE BOTTOM OF A WATERCOURSE.

Applicants & Inventors : ABRAHAM VAN DER VEEN OF BERGPAD, 4, 7731 BE OMMEN, THE NETHERLANDS, AND JELLE VAN DER VEEN OF DE HİMEN 33, 8618 NP OOSTHEM, THE NETHERLANDS.

Application No. 85/Cal/83 filed January 22, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

A container for ground material removed by a ground working device from the bottom of a water course characterized in that the container is connectable to the ground working device by a conduit and is movable therewith under water due to its being connected through tow means to a vessel.

Compl. Specn. 9 pages.

Drgs. 3 sheets.

CLASS : 128-K.

157718

Int. Cl. : A 61 b 17/00.

LIGATING CLIP WITH FLANGED BASE HAVING A RECESSED ENGAGING FACE.

Applicant : ETHICON, INC., LOCATED IN SOMERVILLE, NEW JERSEY, UNITED STATES OF AMERICA.

Inventors : 1. ROBERT WILLIAM MERICLE,
2. JAMES ANTHONY TRANSUE.

Application No. 178/Cal/83 filed February 15, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A ligating clip adapted to be applied to tissue, each said slip comprising :

first and second legs joined at their proximal ends by a resilient hinge to define the rear end of the clip and terminating at their distal ends at the front of the clip in latch means for holding the clip latched closed when the clip legs are squeezed together, each leg having a vessel clamping inner face in opposition to a vessel clamping inner face of the other leg;

a base extending along a portion of said first leg said base terminating short of the distal end of the said first leg in a front face whereby an open recess is defined adjacent said base front face below said first leg; and

flanges extending rearwardly along a portion of the length of said base from said base front face and terminating short of said first leg proximal end, said flanges extending laterally outwardly beyond the sides of the first leg, the portion of said base that extends along said first leg between said first leg proximal end and said flanges having a width not greater than the width of said first leg.

Compl. Specn. 27 pages.

Drgs. 3 sheets.

CLASS : 94-E.

157719

Int. Cl. : B 02 c 15/06.

A COAL PULVERIZER.

Applicant : COMBUSTION ENGINEERING, INC., OF 1000 PROSPECT HILL ROAD, WINDSOR, CONNECTICUT, UNITED STATES OF AMERICA.

Inventor : 1. THEODORE VINCENT MALLSZEWSKI, JR.

Application No. 265/Cal/83 filed March 3, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A coal pulverizer comprising a housing having internal frame members with a motor mounted thereon being connected to a pinion gear engaging the gears of a vertical shaft on the upper end of which is mounted a rotating table, at least one roll mounted on a trunnion such that the said roll is forced down upon the surface provided by the table, means provided for directing coal from the source to the center of the table so as to be pulverized between the surface of the roll and the surface provided by the said table, means provided for directing the pulverized coal into an exit duct characterized in that a bull ring is provided on the upper surface of the said table, the said bull ring comprising a body of cast steel having a layer of a chromium carbide alloy bonded to its upper surface to provide an abrasion resistant surface adapted to form contact surface with the rolls of the pulverizer, said abrasion resistant surface in combination with the said bull ring and the roll defining a coal grinding means.

Compl. Specn. 8 pages.

Drgs. 2 sheets.

CLASS : 158-D.

157720

Int. Cl. : B 61 d 1/00.

AN IMPROVED SNUBBED RAILWAY CAR TRUCK.

Applicant : AMSTED INDUSTRIES INCORPORATED 3700 PRUDENTIAL PLAZA CHICAGO, ILLINOIS-60601, U.S.A.

Inventor : 1. OTTO W. NEUMANN.

Application No. 605/Cal/83 filed May 13, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

1 Claim

An improved snubbed railway car truck including a side frame having a bolster opening defined by a pair of longitudinally spaced upright columns, a bolster having an outer end extending through said opening and resiliently supported therein for limited vertical mounted movement and friction shoes disposed on opposite sides of said bolster and having friction faces engageable with vertically disposed planarfriction surfaces on said columns, the improvement comprising : side frame lands formed along and closely adjacent to the opposite sides of each of said friction surfaces on said columns and projecting toward said bolster, planar bolster lands formed along the vertical sides of said bolster engageable in opposing relationship with respective ones of said side frame lands, said side frame lands each having a planar surface inclined at an angle of between about 3° to 5° from the planar friction surface on said column, and said bolster lands inclined substantially parallel to said inclined planar surfaces of the respective ones of said side frame lands.

Compl. Specn. 8 pages.

Drgs. 2 sheets.

CLASS : 48-A.

157721

Int. Cl. : H 01 b 17/58.

A SLEEVE FOR PROTECTING CABLE SPLICES.

Applicant : ETABLISSEMENTS MOREL—ATELIERS ELECTROMECANIQUES DE FAVIERES, S.A., OF FAVIERES-28170, CHATEAUNEUF EN THYMERAIS, FRANCE.

Inventors : 1. ANDRE MOREL, 2. JACQUES MOREL.

Application No. 772/Cal/83 filed June 20, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

20 Claims

A sleeve for protecting cable splices, comprising two half-shells assembled together around the splice by means of their adjacent flanges, a channel being formed in said adjacent flanges in order to define a duct in the assembled position, means being provided for introducing material in paste form in said duct so as to ensure fluid-tightness between said adjacent flanges, the opposite ends of the sleeve being provided with jaws which are intended to be clamped against the cable at the time of assembly of the two half-shells, a chamber which communicates with the duct aforesaid being defined between at least two of said jaws, wherein said chamber communicates with the duct by means of a channel formed around the entire periphery of a jaw which is adjacent to said chamber, said duct being formed at the bottom of the recess in which said jaw is fitted.

Compl. Specn. 29 pages.

Drgs. 9 sheets.

CLASS : 69-G.

157722

Int. Cl. : H 01 h 3/00.

AIR CIRCUIT BREAKER.

Applicant : MITSUBISHI DENKI KABUSHIKI KAISHA, OF 2-3, MARUNOUCHI 2-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors : 1. TOSHIHIKO KODERA,
2. KIYOSHI EGUCHI,
3. TAKAYOSHI ISHIKAWA,
4. YASUSHI GENBA,
5. SHIGEMI TAMARU,
6. SUSUMU SATOU.

Application No. 849/Cal/85 filed November 29, 1985.

Division of Application No. 86/Cal/83 dated 24th January, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

An air circuit breaker, which comprises in combination : a supporting pin to be inserted into a pin hole formed in a spring supporting member;

a stopper member to engage and stop said supporting pin at one end of said spring supporting member; a hinge pin serving also as an engaging and stopping member to engage and stop said supporting pin at the other end of said spring supporting member;

a first spring holder rotatably supported on said supporting pin through said hinge pin; and

a second spring holder to fit and support from outside an energy accumulating spring consisting of a compression spring between said first spring holder and the second spring holder;

said energy accumulating spring being compressed by applying pressure to said hinge pin by means of said second spring holder so as to rotate said both spring holders together by said hinge pin, and

said both spring holders being reversely rotated by expansion of said energy accumulating spring with release of the pressure application, thereby closing a pair of contact points through said second spring holder.

Compl. Specn. 27 pages.

Drgs. 9 sheets.

CLASS : 205 G & 136 M.

157723

Int. Cl. : B65C, 9/00 & B29L, 17/00.

"AN APPARATUS FOR MANUFACTURING TYRE BREAKER FABRIC".

Applicant : W & A BATES LIMITED, A BRITISH COMPANY OF 19 NEW BRIDGE STREET, LONDON EC4V 6BY, ENGLAND.

Inventors : GEORGE KENNETH BAILEY, ERIC HOLROYD, ANTHONY RICHARD WRIGHT & DAVID JOHN BRIDGEWOOD PERKINS.

Application for Patent No. 646/Del/81 filed on 6th October, 1981.

Convention date 10th October, 1980/8033330/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

20 Claims

Apparatus for making a tyre breaker fabric comprising an elongate sheet of tyre cord fabric embedded in elastomer in which the cords extending across the sheet are formed by one single continuous tyre cord which extends back and forth across the sheet so that the edges of the sheet are formed by a series of folded cord edges, the apparatus comprising :

- a pair of parallel spaced apart edge holding and retaining units;
- each edge holding and retaining unit comprising a plurality of longitudinally spaced adjustable holding pins suitably mounted in guide blocks which blocks are attached to endless belt means;
- a tyre cord laying head for laying one single continuous tyre cord to and fro between said edge holding and retaining units;
- stepwise drive means for effecting relative movement between said endless belt means and said laying head in the direction of the length of said endless belt means so that said laying head lays said tyre cord around a respective holding pin to form a continuous elongate cord assembly the edges of which are formed by a series of folded cord edges;
- means for applying elastomer to said cord assembly to produce tyre breaker fabric; and
- means for moving said holding pins in said guide blocks to remove said holding pins from tyre breaker fabric.

Compl. Specn. 16 pages.

Drgs. 5 sheets.

CLASS : 32 F₂(a).

157724

Int. Cl. : C07c-38/00.

"AN ELECTROLYTIC PROCESS FOR THE PRODUCTION OF P-AMINOPHENOL FROM P-NITROSO PHENOL".

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPO-

RATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : HANDADY VENKATAKRISHNA UDUPA, POYYALUR NARAYANAN, ANANTHARAMAN AND MICHAEL NOEL.

Application for Patent No. 724/Del/1981 filed on 19th November 1981.

Complete specification left on 19th February 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-5.

5 Claims

An improved electrolytic process for the production of p-aminophenol from p-nitrosophenol comprising electrochemically reducing p-nitrosophenol in reusable electrolyte consisting of titanic sulphate and hydrated copper sulphate, dissolving the p-aminophenol sulphate formed in hot water neutralising it with ammonium bicarbonate at pH 7-8 and cooling to obtain p-aminophenol.

(Provisional specification 6 pages).

(Complete specification 12 pages).

CLASS : 32 F₂(a).

157725

Int. Cl. : C07C 49/00 & 97/00.

"A PROCESS FOR THE PREPARATION OF 4-ACETAMIDOBENZOPHENON".

Applicant : INDIAN DRUGS AND PHARMACEUTICALS LTD., OF N-12, SOUTH EXTENSION-1, NEW DELHI-110 049, INDIA, AN INDIAN COMPANY.

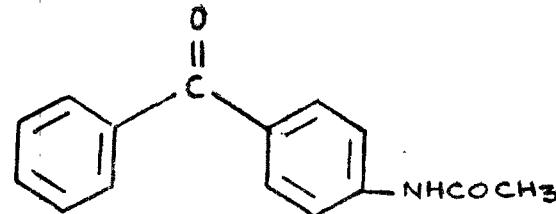
Inventors : DILBAGH RAI SHRIDHAR; BHAL CHANDRA SHIVAPRASAD TRIVEDI; GOURANGA PRASAD SARKER; GADHIRAJU SUBBARAGHAVA RAJU; AND VALLURI LAKHHMI NARAYANA.

Application for Patent No. 725/Del/1981 filed on 19th November, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

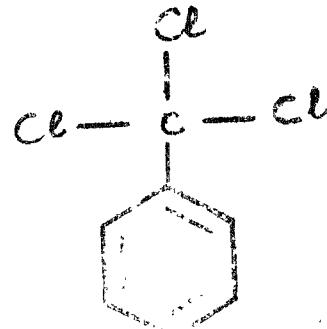
5 Claims

A process for the preparation of 4-acetamidobenzophenone of formula I



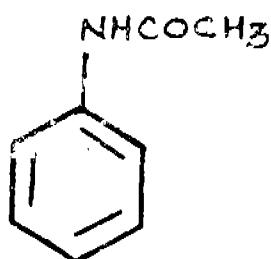
Formula I

which comprises reacting benzotrifluoride of formula II



Formula II

with an anilide of formula III



Formula III

in the presence of Lewis acid catalysts such as aluminium chloride or ferric chloride or zinc chloride.

Compl. Specn. 11 pages.

Drgs. 2 sheets.

CLASS : 55F.

157726

Int. Cl. : C12d 13/00.

"METHOD FOR THE PREPARATION OF HYBRID CELLS HAVING A HIGH TITRE OF ANTIBODIES ACTIVE AGAINST LEUTINIZING HORMONE RELEASE HORMONE".

Applicant : GURSARAN PARSHAD TALWAR, AN INDIAN CITIZEN, OF C-1/8, ANSARI NAGAR, NEW DELHI-110 029, INDIA.

Inventor : GURSARAN PARSHAD TALWAR.

Application for Patent No. 757/Del/81 filed on 1st December, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

11 Claims

A method for the preparation of hybrid cells having a high titre of anti-LHRH antibodies active for the control of fertility in mammals which comprises fusing in a manner known per se the spleen cells of Balb C mice immunized with an Azo-LHRH derivatives, with a cell of the kind such as herein described which capable of infinite multiplication to obtain said hybrid cells and separating in any conventional manner the said hybrid cells so prepared from the reaction mixture.

Compl. Specn. 18 pages.

Drgs. 3 sheets.

CLASS : 32 A1.

157727

Int. Cl. : C09 b -62/00.

"PROCESS FOR THE PREPARATION OF SOLUTIONS OF CATIONIC AZO DYESTUFFS".

Applicant : BAYER AKTIENGESELLSCHAFT, A GERMAN COMPANY OF 5090, LEVERKUSEN, BAYERWERK, WEST GERMANY.

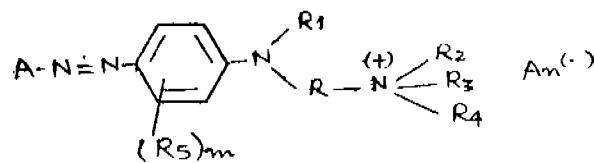
Inventors : KARL LINHART, HARALD GLEINIG AND GUNTHER BOEHMKE.

Application for Patent No. 781/Del/1981 filed on 14th December, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

5 Claims

Process for the preparation of concentrated, stable solutions, with a low salt content, of cationic azo dyestuffs of the general Formula I shown in the accompanying drawings wherein :



Formula I

A denotes the radical of an aromatic carbocyclic or aromatic heterocyclic diazo component of the kind such as herein described;

R denotes alkylene of the kind such as herein described;

R₂ denotes hydrogen or alkyl of the kind such as herein described;

R₃ denotes alkyl, alkenyl or aralkyl of the kind such as herein described;

R₄ denotes alkyl of the kind such as herein described;

R₅ denotes hydroxyalkyl of the kind such as herein described having 2 or more C atoms;

R₆ denotes halogen, alkyl alkoxy, aryloxy, acyl or acylamino of the kind such as herein described;

m denotes 1, 2, 3, or 4, and

An denotes a carboxylate ion,

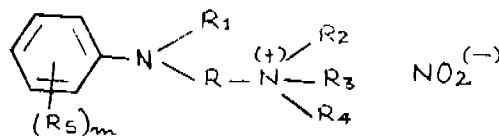
and wherein

the cyclic and acyclic substituents can carry further non-ionic substituents,

by coupling, characterised in that amines of the Formula II



and coupling components of the Formula III



Formula III

are brought to reaction in aqueous carboxylic acids of the kind such as herein described and if appropriate, organic water-soluble solvents; **A** and **R**, **R₁**, **R₂**, **R₃**, **R₄** and **R₅** in the compounds of Formulae II and III having the same meaning as defined above.

Compl. Specn. 16 pages.

Drgs. 2 sheets.

CLASS : 32F1.

157728

Int. Cl. : C07d 105/00.

"A PROCESS FOR THE SYNTHESIS OF 2 BIS (2-CHLOROETHYL) AMINO 3, 6-DIARYL-3,4-DIHYDRO-1,3,2-OXAZAPHOSPHORIN-2-OXIDES".

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : BAL DATTATRAYA TILAK, VASANT NAGESH GOGTE & ANIL SHRIKRISHNA MODAK.

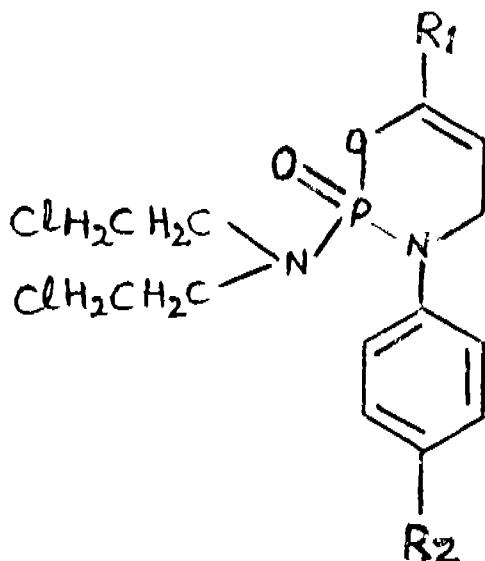
Application for Patent No. 804/Del/81 filed on 24th December, 1981.

Compete specification left on 24th March, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

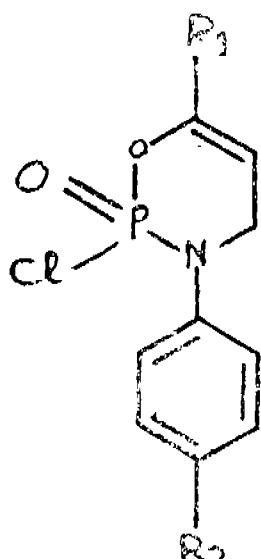
4 Claims

A process for the synthesis of 2-bis (2-chloroethyl) amino 3, 6-diaryl-3, 4-dihydro-1, 3, 2-oxazaphosphorin-2-oxides of formula III



Formula III

comprising reacting 2-chloro-3-diaryl-3, 4-dihydro-1, 3, 2-oxazaphosphorin-2-oxides of formula II



Formula II

with $\text{HN}(\text{CH}_2\text{CH}_2\text{Cl})_2$ in the presence of Et_3N and an organic solvent, such as herein described wherein R_1 is a phenyl, p -methoxyphenyl or-2-naphthyl group and R_2 is hydrogen, methyl or methoxy group.

(Provisional specification 4 pages).

Compl. Specn. 5 pages.

Drg. 1 sheet.

CLASS : 83 B.

157729

Int. Cl. : A 23 J. 1/06.

"A PROCESS FOR THE PREPARATION OF DEHYDRATED PORK RIND".

Applicant : PROTEIN FOODS (U.K.) LIMITED, A BRITISH COMPANY OF FACTORY ROAD, TIPTON, STAFFORDSHIRE, ENGLAND.

Inventors : CLIVE RICHARD WHITTLE, MARK THOMAS WHITTLE AND TIMOTHY JOHN MINGAY TREHARNE.

Application for Patent No. 823/Del/1981 filed on 31st December 1981.

Convention date 2-1-1981/81 00005/(Great Britain).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

11 Claims

A process for the preparation of a dehydrated pork rind product containing haemoglobin which comprises rehydrating in a manner such as herein described a gelat in-stable dehydrated pork rind product for at least a portion of the rehydration time in a haemoglobin-containing solution, and then dehydrating in a manner such as herein described the haemoglobin-containing rehydrated product obtained, whereby a product having a water content of less than 15% by weight and a haemoglobin content of up to 50% by weight is obtained.

Compl. Specn. 10 pages.

CLASS : 107, H.

157730

Int. Cl. : F02m 39/00.

"AN IMPROVED FUEL INJECTION PUMP".

Applicant : AMBAC INDUSTRIES, INCORPORATED, A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, DOING BUSINESS AT 3664 MAIN STREET SPRINFIELD, MASSACHUSETTS 01107, UNITED STATES OF AMERICA.

Inventor : ROBERT ALLAN DIDOMENICO, JOHN BERNARD CABANAUGH AND JOHAN ARTHUR KIMBERLEY.

Application for Patent No. 24/Del/82 filed on 1st January, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

16 Claims

An improved fuel injection pump (30) for a diesel engine comprising a housing assembly (32) a rotor disposed within said housing assembly, means for driving said rotor in rotation at a speed corresponding to engine speed, said rotor comprising a pump body and a distributor shaft, (36) a hydraulic head in said housing assembly, a bore (38) in said hydraulic head for rotatably supporting said rotor distributor shaft, opposed pistons disposed within radial bores of said pump body, said pump body radial bores interesting to form a pumping chamber, tappet assemblies (118) associated with each said piston, (112) an internal ring (128) cam disposed in said housing (34) concentrically with said rotor for cooperation with said tappet (118) assemblies to provide a pumping movement of said pistons upon rotation of said rotor, piston-cylinder (140) means for varying the rotational position of said cam in response to changes in engine operating conditions, as axial bore within said distributor shaft communicating with said pumping chamber, a distributor slot in said distributor shaft, a plurality of spaced distributor ports in said hydraulic head, said distributor slot aligning sequentially with said distributor ports upon rotation of said rotor, passage means (70) in said hydraulic head communicating with said distributor ports for connecting said ports

with the engine fuel injection nozzles, characterized by a fuel gallery adjacent one end of said hydraulic head, (30) fuel pump means for supplying fuel under pressure to said fuel gallery, said pump body being disposed adjacent the other end of said hydraulic head at one end of said distributor shaft, (36) the opposite end of said distributor shaft (36) extending beyond said hydraulic head into said fuel gallery, a spill sleeve (92) on said extending end of said distributor shaft, slot and port means on said distributor shaft and spill sleeve for providing a communication of said distributor shaft bore and said gallery (74) to effect injection termination, fuel metering control means for varying the position of said spill sleeve with respect to said distributor shaft in accordance with the operating conditions and the fuel demands of the engine, port closing means for providing fluid communication between said distributor shaft bore (160) and said fuel gallery during an initial portion of the pumping stroke of said pistons and for cutting off said communication to initiate fuel injection, and timing control means for simultaneously changing the timing of the closing of said port closing means and the opening of said spill sleeve and distributor shaft slot (162) and port means.

Compl. Specn. 32 pages.

Drgs. 5 sheets.

Int. Cl: C07d33/00

CLASS : 32F₁, 2(1).

157731

"PROCESS FOR THE PREPARATION OF QUINOLIN-4-ONES".

Applicant : RHONE-POULENC SANTE, A FRENCH BODY CORPORATE, OF "LES MIROIRS"—18, BOUCLE D'ALSACE, 92400 COURBEVOIE, FRANCE.

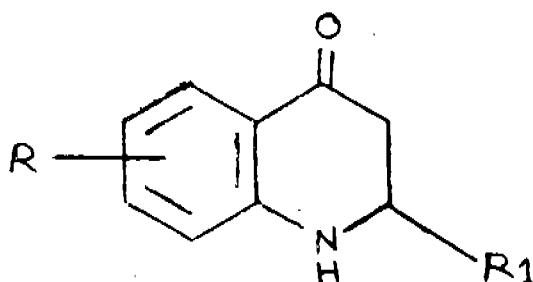
Inventor : MICHEL BAUDOUIN & DESBOIS MICHEL.

Application for Patent No. 34/Del/1982 filed on 6th January, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

10 Claims

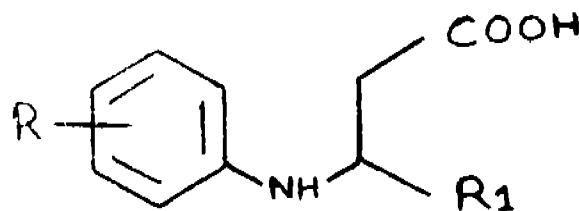
A process or the preparation of a 1, 2, 3, 4-tetrahydroquinolin-4-one isomers of the general formula I



Formula I

(wherein R represents a hydrogen atom or a substituent selected from halogen atoms, straight-or branched-chain alkyl radicals containing 1 to 4 carbon atoms, straight-or branched-chain alkoxy radicals containing 1 to 4 carbon atoms, and the trifluoromethyl radical, and R₁ represents a hydrogen atom, a straight-or branched-chain alkyl radical containing 1 to 4 carbon atoms or the trifluoromethyl radical)

which comprises cyclising a 3-anilinopropionic acid of the general formula II



Formula II

(wherein R and R₁ are as hereinbefore defined) in a mixture of hydrofluoric acid and boron trifluoride, and isolating the quinolinone isomers by any known method.

Compl. Specn. 14 pages.

Drg. 1 sheet.

CLASS : 127 I.

157732

Int. Cl. : F15b 15/00, F04c 3/00, F04d 3/02.

"SCREW ROTOR MACHINE FOR A WORKING FLUID".

Applicant : SVENSKA ROTOR MASKINER AKTIEBOLAG, OF P.O. BOX 15085, S-104 65 STOCKHOLM, SWEDEN, A JOINT STOCK COMPANY ORGANIZED UNDER THE LAWS OF SWEDEN.

Inventor : AKE ASTBERG.

Application for Patent No. 55/Del/1982 filed on 25th January, 1982.

Convention date February 6, 1981/03739/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

18 Claims

Screw rotor machine for a working fluid comprising a casing with a working space provided with spaced apart low pressure and high pressure ports for communication with low pressure and high pressure channels, respectively, and generally composed of at least two intersecting bores with parallel axes, a number of rotors disposed in said bores and inter-meshing in pairs, each rotor having helical lands and intervening grooves, whereby a pair of communicating groove portions form a chevron-shaped chamber having its base end disposed in a plane transverse to the axes of the rotors and adjacent to the high pressure port of the machine, one rotor of each pair being of female rotor type, i.e. formed in such a way that at least the major portion of each land and groove is located inside the pitch circle of the rotor, the other rotor of the pair being of male rotor type, i.e. formed in such a way that at least the major portion of each land and groove is located outside the pitch circle of the rotor, the lands of one rotor following the envelopes developed by the grooves of the other rotor to form a continuous sealing line between the rotors, each rotor groove being provided with a primary flank forming the peripherally outer wall of the leg of said chamber composed of a female rotor groove

and the peripherally inner wall of the leg of said chamber composed of a male rotor groove, respectively, and a secondary flank forming the other wall of the related leg of the chamber, characterized in that in a plane perpendicular to the rotor axes the primary flank of each male rotor groove comprises a first flank portion adjacent to the pitch circle and extending outwardly therefrom, the tangent to said first flank portion in its pitch point, where it intersects with the pitch circle, and a radial line from the centre of the rotor through the pitch point forming angle therebetween falling within the range 0.25 rad to 0.75 rad, when measured outside the pitch circle from the tangent towards the groove, the radius of curvature of said first flank portion in its pitch point having a length exceeding the product of the pitch radius and the sine function of said pitch point angle between the tangent and the radial line and a second flank portion adjacent to and extending radially outwardly from said first flank portion, the radius of curvature of said second flank portion at the point common for said flank portion being equal to that of the first flank portion in said point.

Compl. Specn. 21 pages.

Drgs. 5 sheets.

PATENTS SEALED

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CANCELLATION PROCEEDINGS
(SECTION 51A)

An application made by Carona Sahu Company Limited for cancellation of the Registration of Design No(s). 155538 in the Class 10 in the name of Carona Sahu Company Limited has been filed.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class. 1. Nos. 156523, 156524, Jay Cylinders Limited, S-155, Panchshila Park, New Delhi-110 017, Union Territory of India, India, an Indian company registered under the provisions of Indian Companies Act, 1956 of the above address. "Gas Cylinder". 14th Jan., 1986.

Class. 1. No. 156522, Jay Cylinders Limited, S-155, Panchshila Park, New Delhi-110 017, Union Territory of India, India, an Indian company registered under the Provisions of Indian Companies Act, 1956 of the above address. "Petromax". 14th January, 1986.

Class. 1. No. 156520, Jay Cylinders Limited, S-155, Panchshila Park, New Delhi-110 017, Union Territory of India, India, an Indian company registered under the Provisions of Indian Companies Act, 1956 of the above address. "Gas Petromax". 14th January, 1986.

Class. 1. No. 156455, Krishna Luggage Industries Private Limited, 51, Basant Apartment, Cuffe Parade, Colaba, Bombay-400 005, Maharashtra, India, a Private Limited Company incorporated under the Indian Companies Act. "Brief Case Lock". 23rd December, 1985.

Class. 1. No. 156153, United Works Private Limited, a company incorporated under the Indian Companies Act, at 7-8 Mahalaxmi Bridge, Bombay-400 011, State of Maharashtra, India, "Adapted For Gas Cylinder". 24th October, 1985.

Class. 3. No. 156411, M. K. Electric Limited, a British Company of, Shrubbery Road, Edmonton, London N9 OPB, England, a "3 Pole Electric Socket outlet". Reciprocity date 16th August, 1985. (U.K.).

Class. 3. No. 156285, Union Carbide India Limited, an Indian Company, of 1, Middleton Street, Calcutta-700 071, West Bengal, India, "Top Seal for Electric Dry Cell". 11th November, 1985.

Class. 3. Nos. 156308, 156309, Indian Cosmetics, 35J, Raja Kissin Street, Calcutta-700 005, West Bengal, India, an Indian Proprietorship Concern, Proprietor : Santosh Kumar Kataruka of Indian Nationality. "Container". 19th November, 1985.

Class. 3. No. 156353, Wilkinson Sword Limited, a British Company, of Sword House Totteridge Road, High Wycombe, Buckinghamshire, HP13 6EJ, England, Reciprocity date 1st June, 1985 (U.K.).

Class. 3. Nos. 156417, 156418, Asian Advertisers, 20, Kala Bhavan, 3, Mathew Road, Opera House, Bombay-400 004, Maharashtra, India, an Indian Partnership Firm. 9th December, 1985.

Class. 3. Nos. 156065, 156066, Crystal Plastics & Metallizing Private Limited, Sanghi House, Palkhi Galli, off Veer Savarkar Marg, Prabhadevi, Bombay-400 025, State of Maharashtra, India, a Private Limited Company incorporated under the Indian Companies Act. "Comb". 23rd September, 1985.

Class. 3. No. 156550, Appurva Variety Company, having its Office at 1/5, Swastik Chambers, Near Carnac Bridge, Bombay-400 001, Maharashtra, India, a sole Proprietary concern, "Bottle". 22nd January, 1986.

Extn. of Copyright for the Second period of five years.

Nos. 155994, 156096, 156097, 151011, 151012..... Class-3.

Extn. of Copyright for the Third period of five years.

Nos. 155994, 156096, 156097, 151011, 151012..... Class-3.

R. A. ACHARYA
Controller General of Patents, Designs
and Trade Marks.